

## Title (en)

SYNTHETIC DNA, PROCESS FOR PREPARING IT AND RECOMBINANT MICROBIAL CLONING VEHICLE CONTAINING SUCH DNA

## Publication

**EP 0001931 A3 19790613**

## Application

**EP 78300598 A 19781106**

## Priority

US 84969177 A 19771108

## Abstract (en)

[origin: EP0001931A2] Synthetic DNA coding for a mammalian polypeptide, e.g. somatostatin, is prepared in which at least a majority of the codons are those preferred for the expression of microbial genomes. The DNA is prepared by joining together two appropriately coded series of fragments by hydrogen bonding and then completing the two strands by ligation, the fragments lacking complementarity other than in the correct sequence. Such synthetic DNA having a restriction endonuclease site at each end of the gene can be introduced into a microbial cloning vehicle which can then be used for transformation of bacterial hosts.

## IPC 1-7

**C12K 1/02; C07H 21/04**

## IPC 8 full level

**C07H 21/00** (2006.01); **C12N 15/00** (2006.01); **C12N 15/09** (2006.01); **C12P 19/34** (2006.01); **C12N 15/70** (2006.01); **C12P 21/02** (2006.01); **C12R 1/19** (2006.01)

## CPC (source: EP)

**C07H 21/00** (2013.01); **C12N 15/00** (2013.01); **C07K 2319/71** (2013.01)

## Citation (search report)

- FR 2281426 A1 19760305 - ICI LTD [GB]
- [P] FR 2384024 A1 19781013 - MAX PLANCK GESELLSCHAFT [DE]
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## Designated contracting state (EPC)

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## DOCDB simple family (publication)

**EP 0001931 A2 19790516; EP 0001931 A3 19790613**; AT 373281 B 19840110; AT A793678 A 19830515; BG 38167 A3 19851015; CA 1201668 A 19860311; CH 655935 B 19860530; CZ 280822 B6 19960417; CZ 723878 A3 19951213; DD 144560 A5 19801022; DE 2848051 A1 19790510; DK 493978 A 19790509; ES 474851 A1 19791201; FI 783367 A 19790509; GB 2007675 A 19790523; GB 2007675 B 19820902; GR 71687 B 19830621; HK 87084 A 19841116; IE 47889 B1 19840711; IE 782191 L 19790508; IL 55891 A0 19790131; IL 55891 A 19831031; IT 1100473 B 19850928; IT 7829520 A0 19781107; JP S5492696 A 19790723; KE 3448 A 19841005; MY 8500761 A 19851231; NL 7811040 A 19790510; NO 783724 L 19790509; NZ 188838 A 19820914; PH 21157 A 19870805; PL 210785 A1 19800225; PT 68757 A 19781201; SE 7811460 L 19790509; SK 278170 B6 19960306; SK 723878 A3 19960306; YU 257078 A 19831231; YU 257178 A 19831231; ZA 786306 B 19791031

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